

BUBBLE SORT

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    /****   Program to Sort an Array using Bubble Sort   ****/  
  
#include <stdio.h>  
  
void bubble_sort();  
  
int a[50], n;  
  
main()  
{  
    int i;  
  
    printf("\nEnter size of an array: ");  
    scanf("%d", &n);  
  
    printf("\nEnter elements of an array:\n");  
    for(i=0; i<n; i++)  
        scanf("%d", &a[i]);  
  
    bubble_sort();  
  
    printf("\n\nAfter sorting:\n");  
    for(i=0; i<n; i++)  
        printf("\n%d", a[i]);  
    getch();  
}  
  
void bubble_sort()  
{  
    int j, k, temp;  
    for(j=0; j<n; j++)  
        for(k=0; k<(n-1)-j; k++)  
            if(a[k] > a[k+1])  
            {  
                temp = a[k];  
                a[k] = a[k+1];  
                a[k+1] = temp;  
            }  
}
```